Author Index

Åkerman, K.E.O., see Engblom, A.C. (1153) 262
Almeida, L.M., see Custódio, J.B.A. (1153) 308
Ando, S., see Iwamoto, M. (1153) 89

Basu, R., see Ghosh, A.K. (1153) 20
Beaugé, L., see Berberián, G. (1153) 283
Belousova, L.V., see Fedosov, S.N. (1153) 322
Berberián, G., Helguera, G. and Beaugé, L.
ATP activation of plasma membrane yeast H^+-ATPase shows complex kinetics independently of the degree of purification (1153) 283
Bittar, E.E., see Xie, H. (1153) 219
Blais, A., see Zlatkine, P. (1153) 237
Blas, S.D., see Warnick, P.R. (1153) 184
Bordi, F., Cametti, C., Rosi, A. and Calcabrini, A.
Frequency domain electrical conductivity measurements of the passive electrical properties of human lymphocytes (1153) 77
Brault, D., see Vever-Bizet, C. (1153) 170
Byrne, S., Glazier, J.D., Greenwood, S.L., Mahendran, D. and Sibley, C.P.
Chloride transport by human placental microvillous membrane vesicles (1153) 122

Calcabrini, A., see Bordi, F. (1153) 77
Calonge, M.L., Peral, M.J. and Ilundáin, A.
Intracellular pH regulation in cecal epithelial cells from the chick (1153) 213
Cametti, C., see Bordi, F. (1153) 77
Cartwright, P., Timms, M., Lithgow, T., Høj, P. and Hoogenraad, N.
An *Escherichia coli* gene showing a potential ancestral relationship to the genes for the mitochondrial import site proteins ISP42 and MOM38 (1153) 345
Cássio, F., Côrte-Real, M. and Leão, C.
Quantitative analysis of proton movements associated with the uptake of weak carboxylic acids. The yeast *Candida utilis* as a model (1153) 59
Cauci, S., Monte, R., Quadrifoglio, F., Ropele, M. and Menestrina, G.
Ionic factors regulating the interaction of *Gardnerella vaginalis* hemolysin with red blood cells (1153) 53
Chang, C., see Philipson, L.H. (1153) 111
Chantres, J.R., see Elorza, B. (1153) 135
Chatterjee, M., see Ghosh, A.K. (1153) 20
Chupin, V., see Leenhouts, J.M. (1153) 257
Clarke, R.J., see Zouni, A. (1153) 203
Cody, V., see Warnick, P.R. (1153) 184
Côrte-Real, M., see Cássio, F. (1153) 59
Custódio, J.B.A., Almeida, L.M. and Madeira, V.M.C.
The active metabolite hydroxytamoxifen of the anticancer drug tamoxifen induces structural changes in membranes (1153) 308

Davis, F.B., see Warnick, P.R. (1153) 184
Davis, P.J., see Warnick, P.R. (1153) 184
De Gier, J., see Leenhouts, J.M. (1153) 257
De Kruijff, B., see Leenhouts, J.M. (1153) 257
Deuticke, B., see Fischer, Y. (1153) 97
Dibble, A.R.G., Yeager, M.D. and Feigenson, G.W.
Partitioning of gramicidin A' between coexisting fluid and gel phospholipid phases (1153) 155

Elorza, B., Elorza, M.A., Frutos, G. and Chantres, J.R.
Characterization of 5-fluorouracil loaded liposomes prepared by reverse-phase evaporation or freezing-thawing extrusion methods: study of drug release (1153) 135
Elorza, M.A., see Elorza, B. (1153) 135
Engblom, A.C. and Åkerman, K.E.O.
Determination of the intracellular free chloride concentration in rat brain synaptoneurosomes using a chloride-sensitive fluorescent indicator (1153) 262

Fedosov, S.N., Belousova, L.V. and Plesner, I.W.
A model of mitochondrial creatine kinase binding to membranes: adsorption constants, essential amino acids and the effect of ionic strength (1153) 322
Feigenson, G.W., see Dibble, A.R.G. (1153) 155
Fischer, Y., Rose, H., Thomas, J., Deuticke, B. and Kammermeier, H.
Phenylarsine oxide and hydrogen peroxide stimulate glucose transport via different pathways in isolated cardiac myocytes (1153) 97
Frutos, G., see Elorza, B. (1153) 135

Galindo, Jr., J., see Warnick, P.R. (1153) 184
Ghosh, A.K., Mukherjee, J., Basu, R., Chatterjee, M. and Nandy, P.
A fluorescence anisotropy study of stabilizing effect of tri- and tetra- nitrovasodilatory drugs on DPPC liposomal membrane (1153) 20
Glazier, J.D., see Byrne, S. (1153) 122
Goates, C.Y. and Knutson, K.
Enhanced permeation and stratum corneum structural alterations in the presence of dithiothreitol (1153) 289
Gómez-Fernández, J.C., see López-García, F. (1153) 1
Gratton, E., see Parasassi, T. (1153) 143
Greenwood, S.L., see Byrne, S. (1153) 122

Helguera, G., see Berberián, G. (1153) 283
Hernandez-Borrell, J. and Keough, K.M.W.
Heteroacid phosphatidylcholines with different amounts of unsaturation respond differently to cholesterol (1153) 277
Hinds, T.R., see Rohn, T.T. (1153) 67
Hinton, J.F., see McKim, S. (1153) 315
Ho, L., see Silverman, M. (1153) 34
Ho, L., see Silverman, M. (1153) 43
Høj, P., see Cartwright, P. (1153) 345
Holloway, P.W., see Tretyachenko-Ladokhina, V.G. (1153) 163
Holzwarth, J.F., see Zouni, A. (1153) 203
Honscha, W., Ottallah, M., Kistner, A., Platte, H. and Petzinger, E.
A membrane-bound form of protein disulfide isomerase (PDI) and the hepatic uptake of organic anions (1153) 175
Hoogenraad, N., see Cartwright, P. (1153) 345
Hope, M.J., see Rodrigueza, W.V. (1153) 9
Houghton, P.J., see Wadkins, R.M. (1153) 225
Hummelsiep, S., see Ziegler, K. (1153) 23

Ilundáin, A., see Calonge, M.L. (1153) 213
Iwamoto, M., Nakamura, M., Mitsui, K.-i., Ando, S. and Ohno-Iwashita, Y.
Membrane disorganization induced by perfringolysin O (theta-toxin) of *Clostridium perfringens* – effect of toxin binding and self-assembly on liposomes (1153) 89

Kammermeier, H., see Fischer, Y. (1153) 97
Keough, K.M.W., see Hernandez-Borrell, J. (1153) 277
Kistner, A., see Honscha, W. (1153) 175
Knutson, K., see Goates, C.Y. (1153) 289
Kurono, M., see Noda, H. (1153) 127
Kuznetsov, A., see Philipson, L.H. (1153) 111

Ladokhin, A.S., see Tretyachenko-Ladokhina, V.G. (1153) 163
Leão, C., see Cássio, F. (1153) 59
Leenhouts, J.M., Chupin, V., De Gier, J. and De Kruijff, B.
The membrane potential has no detectable effect on the phosphocholine headgroup conformation in large unilamellar phosphatidylcholine vesicles as determined by ^{2}H-NMR (1153) 257
Le Grimellec, C., see Zlatkine, P. (1153) 237
Ling, V., see Zhang, J.-T. (1153) 191
Lithgow, T., see Cartwright, P. (1153) 345
Lockner, D., see Zhao, T.-X. (1153) 243
Loiero, M., see Parasassi, T. (1153) 143
Loiseau, A., see Zlatkine, P. (1153) 237
López-García, F., Micol, V., Villalaín, J. and Gómez-Fernández, J.C.
Interaction of sphingosine and stearylamine with phosphatidylserine as studied by DSC and NMR (1153) 1

Macias, F. and Starzak, M.E.
Ion velocity distributions in gramicidin channels determined with laser Doppler velocimetry (1153) 331
Madeira, V.M.C., see Custódio, J.B.A. (1153) 308
Mahendran, D., see Byrne, S. (1153) 122
Malayev, A., see Philipson, L.H. (1153) 111
Malo, C.
Ontogeny of Na^+/D-glucose cotransport in guinea-pig jejunal vesicles: only one system is involved at both 20°C and 35°C (1153) 299
Marunaka, Y. and Tohda, H.
Effects of vasopressin on single Cl^- channels in the apical membrane of distal nephron cells (A6) (1153) 105
McKim, S. and Hinton, J.F.
Direct observation of differential UV photolytic degradation among the tryptophan residues of gramicidin A in sodium dodecyl sulfate micelles (1153) 315
Menestrina, G., see Cauci, S. (1153) 53
Micol, V., see López-García, F. (1153) 1
Mitsui, K.-i., see Iwamoto, M. (1153) 89
Moll, G., see Zlatkine, P. (1153) 237
Monte, R., see Cauci, S. (1153) 53
Mukherjee, J., see Ghosh, A.K. (1153) 20

Nakamura, M., see Iwamoto, M. (1153) 89
Nandy, P., see Ghosh, A.K. (1153) 20
Nelson, D.J., see Philipson, L.H. (1153) 111
Noda, H., Kurono, M., Ohishi, N. and Yagi, K.
Stabilization of egg phosphatidylcholine liposomes by the insertion of sulfatide (1153) 127

Ohishi, N., see Noda, H. (1153) 127
Ohno-Iwashita, Y., see Iwamoto, M. (1153) 89
Ottallah, M., see Honscha, W. (1153) 175

Parasassi, T., Loiero, M., Raimondi, M., Ravagnan, G. and Gratton, E.
Absence of lipid gel-phase domains in seven mammalian cell lines and in four primary cell types (1153) 143
Peral, M.J., see Calonge, M.L. (1153) 213
Petzinger, E., see Honscha, W. (1153) 175
Philipson, L.H., Malayev, A., Kuznetsov, A., Chang, C. and Nelson, D.J.
Functional and biochemical characterization of the human potassium channel Kv1.5 with a transplanted carboxyl-terminal epitope in stable mammalian cell lines (1153) 111
Platte, H., see Honscha, W. (1153) 175
Plesner, I.W., see Fedosov, S.N. (1153) 322
Pritchard, P.H., see Rodrigueza, W.V. (1153) 9

Quadrifoglio, F., see Cauci, S. (1153) 53

Raimondi, M., see Parasassi, T. (1153) 143
Ravagnan, G., see Parasassi, T. (1153) 143
Ringer, T., see Ruß, U. (1153) 249
Ringsdorf, H., Sackmann, E., Simon, J. and Winnik, F.M.
Interactions of liposomes and hydrophobically-modified poly-(*N*-isopropylacrylamides): an attempt to model the cytoskeleton (1153) 335
Rodrigueza, W.V., Pritchard, P.H. and Hope, M.J.
The influence of size and composition on the cholesterol mobilizing properties of liposomes in vivo (1153) 9
Rohn, T.T., Hinds, T.R. and Vincenzi, F.F.
Inhibition of the Ca pump of intact red blood cells by *t*-butyl hydroperoxide: importance of glutathione peroxidase (1153) 67
Ropele, M., see Cauci, S. (1153) 53
Rose, H., see Fischer, Y. (1153) 97
Rosi, A., see Bordi, F. (1153) 77
Ruß, U., Ringer, T. and Siemen, D.
A voltage-dependent and a voltage-independent potassium channel in brown adipocytes of the rat (1153) 249

Sabbatini, G.P., Smith, P.J. and Von Holt, C.
A 46 kDa NTPase common to rat liver nuclear envelope, mitochondria, plasma membrane, and endoplasmic reticulum (1153) 132
Sackmann, E., see Ringsdorf, H. (1153) 335
Schunck, W.-H., see Wiedmann, B. (1153) 267
Sibley, C.P., see Byrne, S. (1153) 122
Siemen, D., see Ruß, U. (1153) 249
Silver, P., see Wiedmann, B. (1153) 267
Silverman, M. and Ho, L.
Kinetic characterization of Na^+/D-mannose cotransport in dog kidney: comparison with Na^+/D-glucose cotransport (1153) 34
Silverman, M., Speight, P. and Ho, L.
Identification of two unique polypeptides from dog kidney outer cortex and outer medulla that exhibit different Na^+/D-glucose cotransport functional properties (1153) 43
Simon, J., see Ringsdorf, H. (1153) 335
Smith, P.J., see Sabbatini, G.P. (1153) 132
Speight, P., see Silverman, M. (1153) 43
Starzak, M.E., see Macias, F. (1153) 331
Steggles, A.W., see Tretyachenko-Ladokhina, V.G. (1153) 163

Thomas, J., see Fischer, Y. (1153) 97
Timms, M., see Cartwright, P. (1153) 345
Tohda, H., see Marunaka, Y. (1153) 105
Tretyachenko-Ladokhina, V.G., Ladokhin, A.S., Wang, L., Steggles, A.W. and Holloway, P.W.
Amino acid substitutions in the membrane-binding domain of cytochrome b_5 alter its membrane-binding properties (1153) 163

Vever-Bizet, C. and Brault, D.
Kinetics of incorporation of porphyrins into small unilamellar vesicles (1153) 170
Villalaín, J., see López-García, F. (1153) 1
Vincenzi, F.F., see Rohn, T.T. (1153) 67
Visser, A.J.W.G., see Zouni, A. (1153) 203
Visser, N.V., see Zouni, A. (1153) 203
Von Holt, C., see Sabbatini, G.P. (1153) 132

Wadkins, R.M. and Houghton, P.J.
The role of drug–lipid interactions in the biological activity of modulators of multi-drug resistance (1153) 225
Wang, L., see Tretyachenko-Ladokhina, V.G. (1153) 163
Warnick, P.R., Davis, P.J., Davis, F.B., Cody, V., Galindo, Jr., J. and Blas, S.D.
Rabbit skeletal muscle sarcoplasmic reticulum Ca^{2+}-ATPase activity: stimulation in vitro by thyroid hormone analogues and bipyridines (1153) 184
Wiedmann, B., Silver, P., Schunck, W.-H. and Wiedmann, M.
Overexpression of the ER-membrane protein P-450 CYP52A3 mimics *sec* mutant characteristics in *Saccharomyces cerevisiae* (1153) 267
Wiedmann, M., see Wiedmann, B. (1153) 267
Winnik, F.M., see Ringsdorf, H. (1153) 335

Xie, H. and Bittar, E.E.
Deregulation by zinc of the sodium efflux in barnacle muscle fibers (1153) 219

Yagi, K., see Noda, H. (1153) 127
Yeager, M.D., see Dibble, A.R.G. (1153) 155

Zhang, J.-T. and Ling, V.
Membrane orientation of transmembrane segments 11 and 12 of MDR- and non-MDR-associated P-glycoproteins (1153) 191
Zhao, T.-X. and Lockner, D.
Electrical impedance and erythrocyte sedimentation rate (ESR) of blood (1153) 243
Ziegler, K. and Hummelsiep, S.
Hepatoselective carrier-mediated sodium-independent uptake of pravastatin and pravastatin-lactone (1153) 23
Zlatkine, P., Moll, G., Blais, A., Loiseau, A. and Le Grimellec, C.
Transport of choline by Madin-Darby canine kidney cells (1153) 237
Zouni, A., Clarke, R.J., Visser, A.J.W.G., Visser, N.V. and Holzwarth, J.F.
Static and dynamic studies of the potential-sensitive membrane probe RH421 in dimyristoylphosphatidylcholine vesicles (1153) 203